


Thermoplastic rubber composition

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A rubber matrix including a) 10-90 % (v/v) of natural rubber, b) one or more first compatibilisers selected from a group of polymers containing either i) a nitrile group, ii) a halogen, iii) an acetate group, iv) an epoxide, v) a styrene, or vi) an acrylate and c) one or more second compatibilisers which are interfacial copromoters selected from a group comprising either i) polyvinyl acetate, ii) ethylene vinyl acetate, iii) polyacrylonitrile or high nitrile resin, iv) acrylamide or polyacrylamide, v) a phenolic resin, vi) an acrylate polymer, vii) a halogenated polymer, viii) maleic anhydride or polymaleic anhydride, or ix) a bismaleimide. The rubber matrix may be mixed with one or more thermoplastics selected from a group comprising either i) polyurethanes, ii) polyesters, iii) polyamides, iv) acrylates, v) acrylonitrile butadiene styrene, vi) polyolefins, or vii) cellulose esters to form a rubber thermoplastics composite.

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